

August 2007

Overview

On February 26, 2004, the California Air Resources Board (ARB) adopted the Transport Refrigeration Unit (TRU) Airborne Toxic Control Measure (ATCM) and directed staff to closely monitor progress and development of emissions control technology as it applies to TRUs and TRU generator set emission standards set forth in the TRU ATCM. The Board further directed staff to report on the feasibility of complying with the standards in the time specified in the regulation. The rulemaking became effective December 10, 2004, and was codified under title 13 California Code of Regulations (CCR), section 2477. On March 28, 2005, ARB requested the U.S. Environmental Protection Agency (U.S. EPA) to grant a waiver of preemption under the federal Clean Air Act. Pending U.S. EPA's decision, ARB will continue to implement the TRU ATCM in accordance with state law.

Facility Reports

Facility Reports for "large" facilities were due on January 31, 2006. Large facilities have 20 or more loading spaces serving refrigerated storage areas. ARB is currently conducting enforcement action against facilities that failed to report on time.

Technology Review

Staff have been tracking diesel emission control strategy (DECS) manufacturers' efforts to develop and demonstrate DECS for TRUs and TRU generator sets. Staff conducted the first Technology Review Workshop on June 14, 2007, at ARB headquarters and via webcast and conference call. Meeting materials, including the agenda, slides, and DRAFT Control Option Matrix, are still posted on the TRU website at: <http://www.arb.ca.gov/diesel/tru.htm>.

A second workshop is now tentatively scheduled for September 12, 2007. It will also be webcast and available via conference call. The meeting notice will be sent out and posted shortly. The DRAFT Control Option Matrix will be updated for that event.

Verified Technologies

Staff have processed DECS for TRUs through the Verification Procedure, Warranty, and In-Use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines (title 13, CCR, sections 2700 through 2710).

News about verified diesel emission control strategies (VDECS) that can be used on TRUs is posted on ARB's TRU website at: <http://www.arb.ca.gov/diesel/tru.htm>. These and other VDECS are also listed on ARB's Verified Technologies website at: <http://www.arb.ca.gov/diesel/verdev/vt/vt.htm>. As of August 2007, one Level 2 (meets the Low-Emission TRU In-Use Performance Standard (LETRU)) VDECS and two Level 3 (meets the Ultra-Low-Emission TRU In-Use Performance Standard (ULETRU)) VDECS have been verified. Thermo King's PDPF™ Level 2 Plus flow-through filter is now verified to be used to comply with LETRU on most Thermo King trailer TRUs. For details, please see the Executive Order on ARB's Verification website at: <http://www.arb.ca.gov/diesel/verdev/level2/level2.htm>

Operator Requirements

The LETRU and ULETRU in-use Performance standards apply to all TRUs that operate in California on a phased compliance schedule, beginning December 31, 2008. Operator reports and ARB Identification Number applications are due to ARB by January 31, 2009.

Compliance Assistance Documents

Compliance assistance materials are available at the ARB's TRU website at: <http://www.arb.ca.gov/diesel/tru.htm>. "TRU Brochure #2" is available in English and Spanish, and focuses on owners' and operators' requirements and compliance dates. Staff recently revised the documents titled "How do I Comply with the TRU ATCM?" and "Frequently Asked Questions and Guidelines for the TRU ATCM".

For More Information

This document will be periodically updated to provide information about the status of the TRU ATCM. Old TRU ATCM Status Update versions will be available through the TRU website archive link. If you have questions, contact Rod Hill at 916.327.5636 (e-mail: rhill@arb.ca.gov), Richard Boyd at 916.322.8285 (e-mail: rboyd@arb.ca.gov), or visit our web site at <http://www.arb.ca.gov/diesel/tru.htm>. Regulatory documents may be viewed and downloaded from <http://www.arb.ca.gov/regact/trude03/trude03.htm>.

If you are handicapped, you may obtain this document in an alternative format. Contact ARB's ADA Coordinator at (916) 322-4505 (voice); (916) 324-9531 (TDD, Sacramento area only); or (800) 700-8326 (TDD, outside Sacramento).